FIG. 1

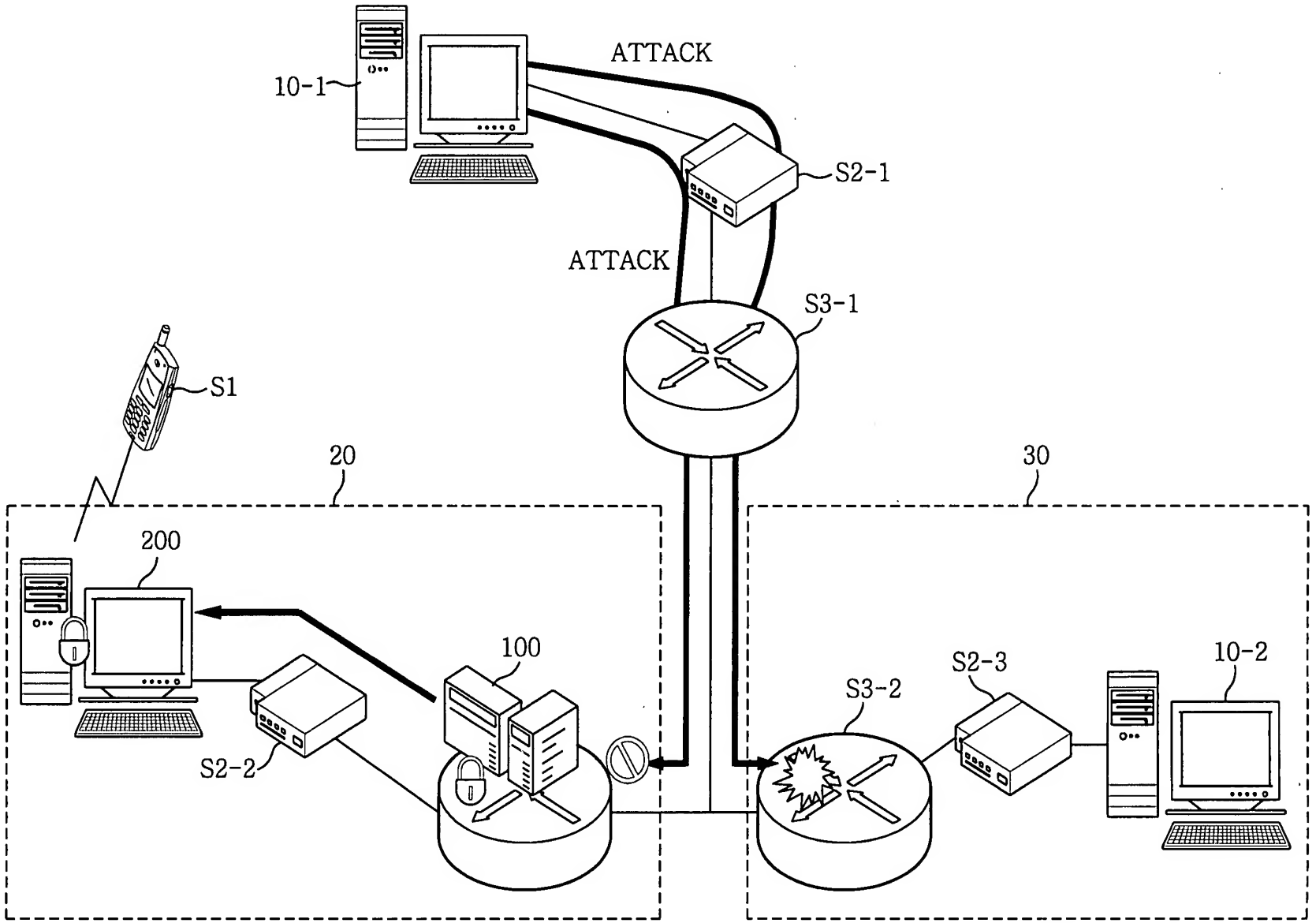


FIG.2

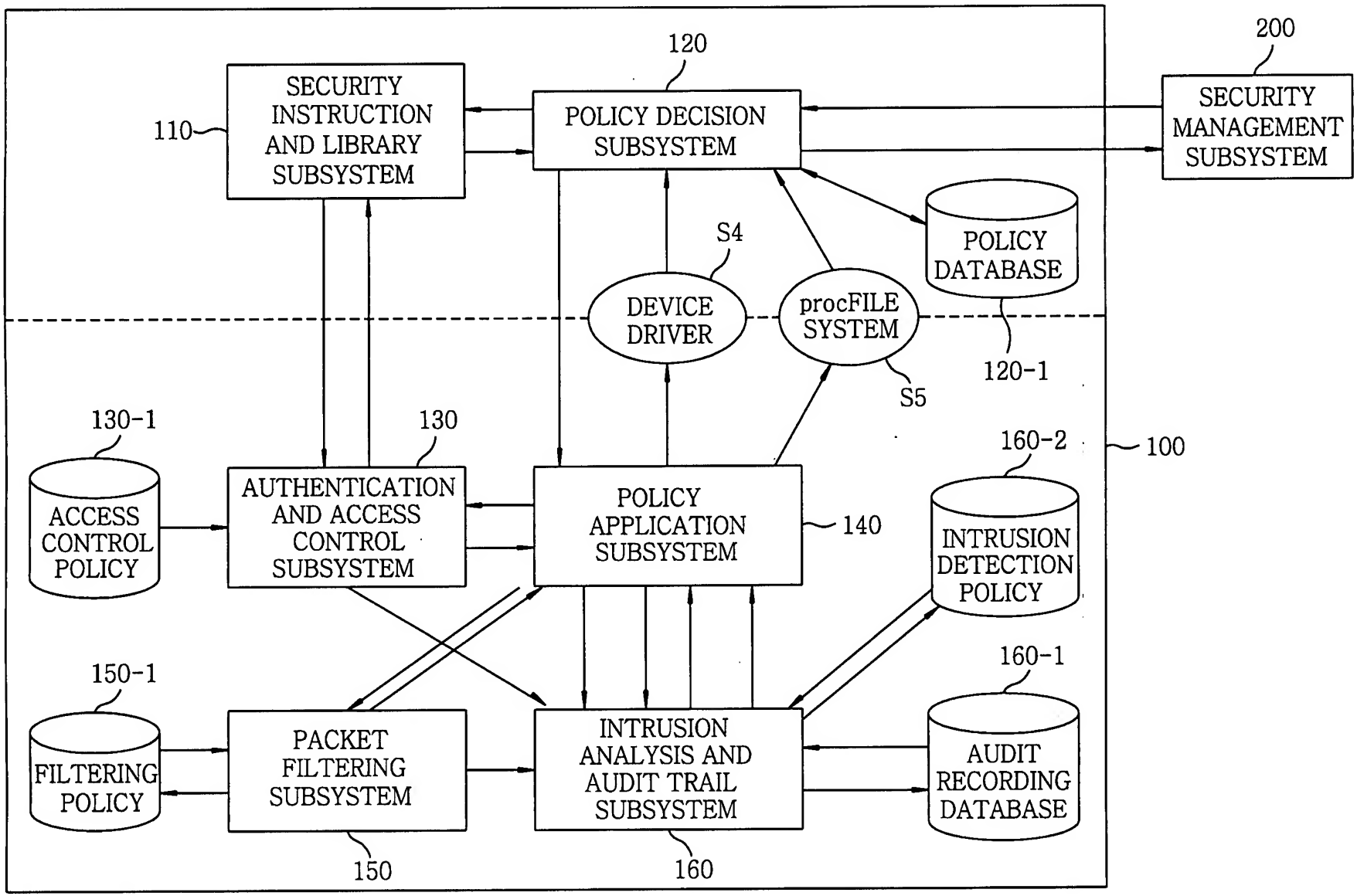

SECURITY INSTRUCTION AND LIBRARY SUBSYSTEM
110
POLICY DECISION SUBSYSTEM
120
SECURITY MANAGEMENT SUBSYSTEM
200
POLICY DATABASE
120-1
S4
DEVICE DRIVER
procFILE SYSTEM
S5
100
130-1
ACCESS CONTROL POLICY
AUTHENTICATION AND ACCESS CONTROL SUBSYSTEM
130
POLICY APPLICATION SUBSYSTEM
140
160-2
INTRUSION DETECTION POLICY
150-1
FILTERING POLICY
PACKET FILTERING SUBSYSTEM
150
INTRUSION ANALYSIS AND AUDIT TRAIL SUBSYSTEM
160
160-1
AUDIT RECORDING DATABASE

FIG.3

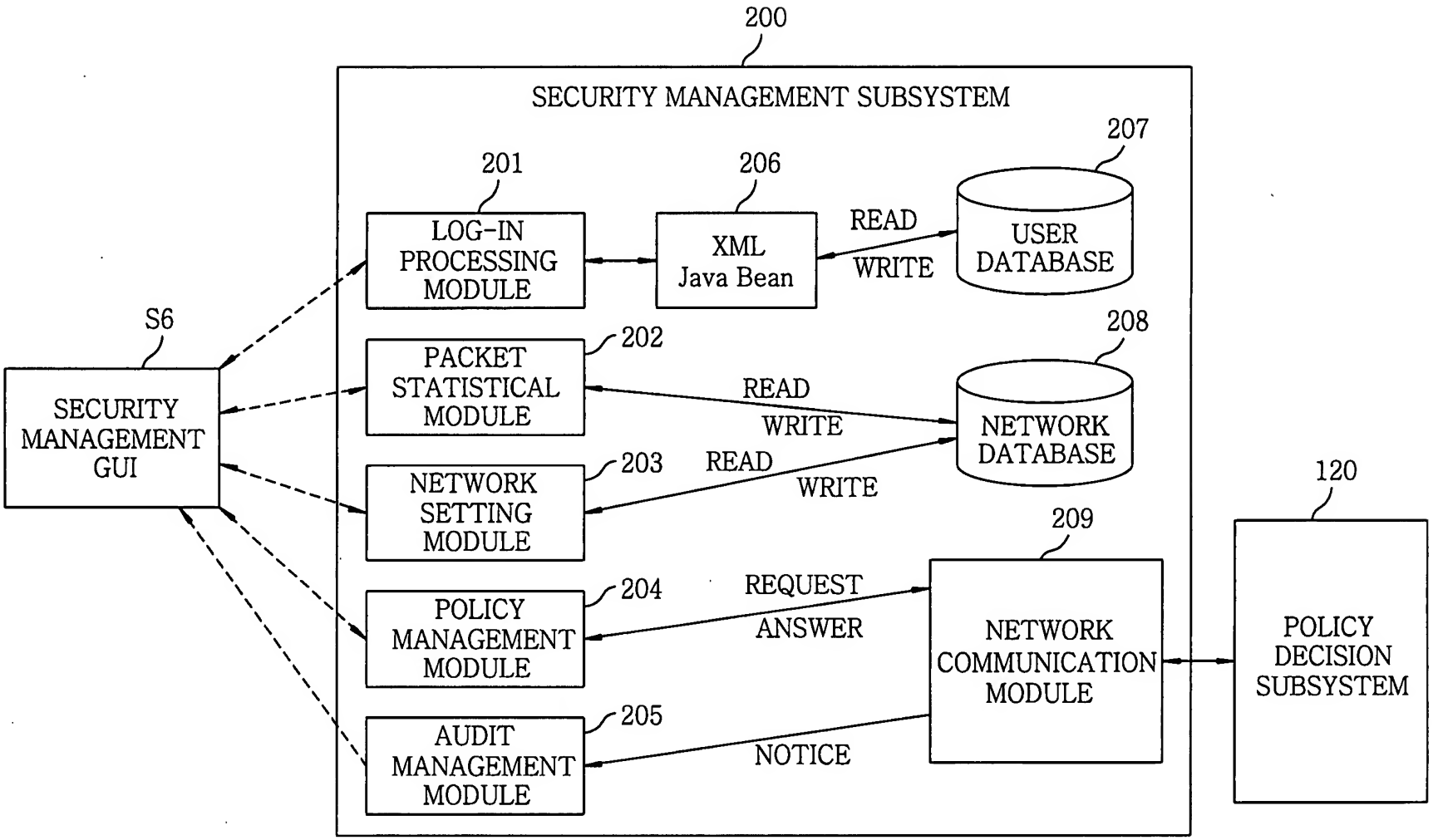

200
SECURITY MANAGEMENT SUBSYSTEM
207
201
206
LOG-IN PROCESSING MODULE
XML Java Bean
READ
WRITE
USER DATABASE
S6
SECURITY MANAGEMENT GUI
PACKET STATISTICAL MODULE
202
READ
WRITE
208
NETWORK DATABASE
NETWORK SETTING MODULE
203
READ
WRITE
209
120
POLICY MANAGEMENT MODULE
204
REQUEST
ANSWER
NETWORK COMMUNICATION MODULE
POLICY DECISION SUBSYSTEM
AUDIT MANAGEMENT MODULE
205
NOTICE

FIG. 4

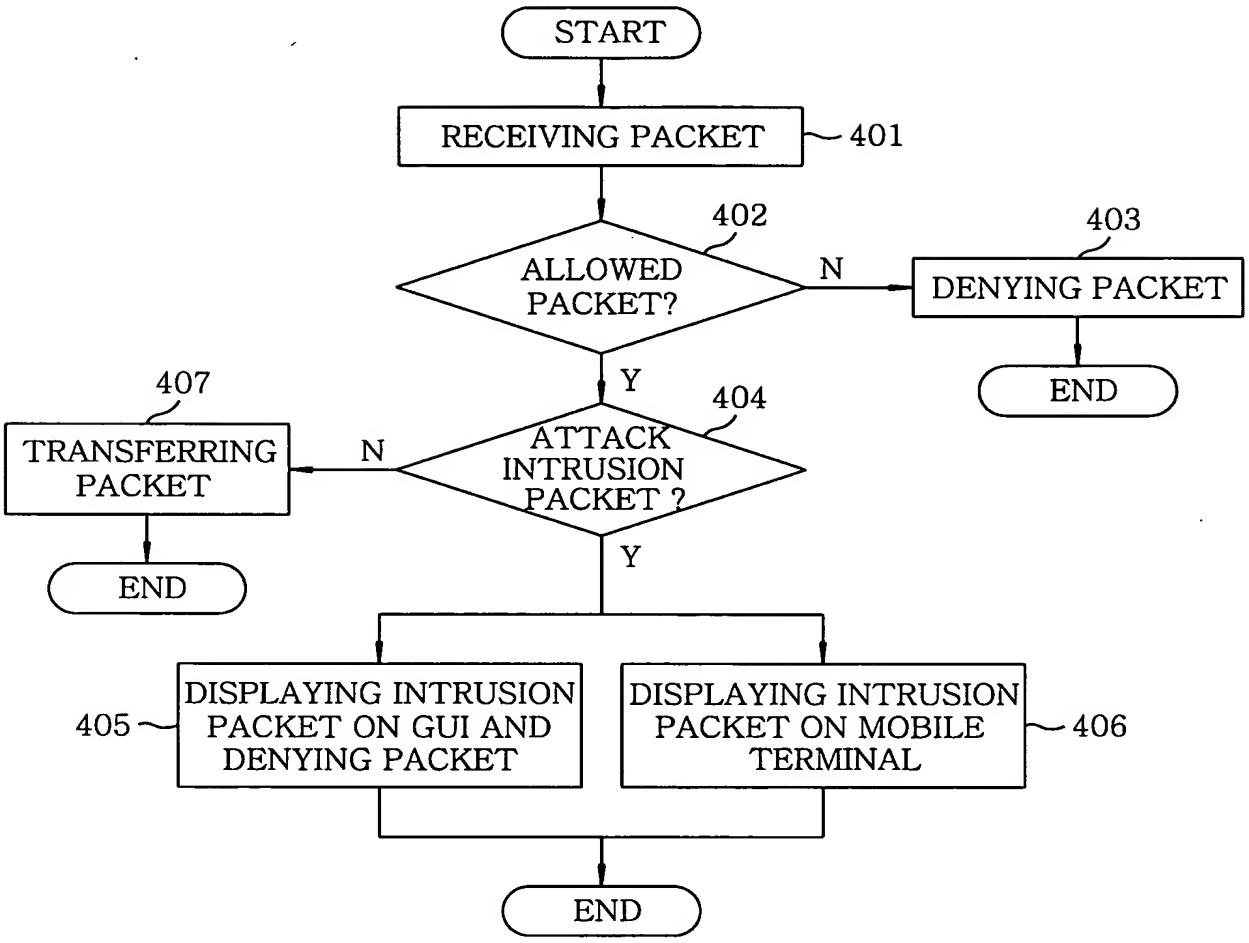
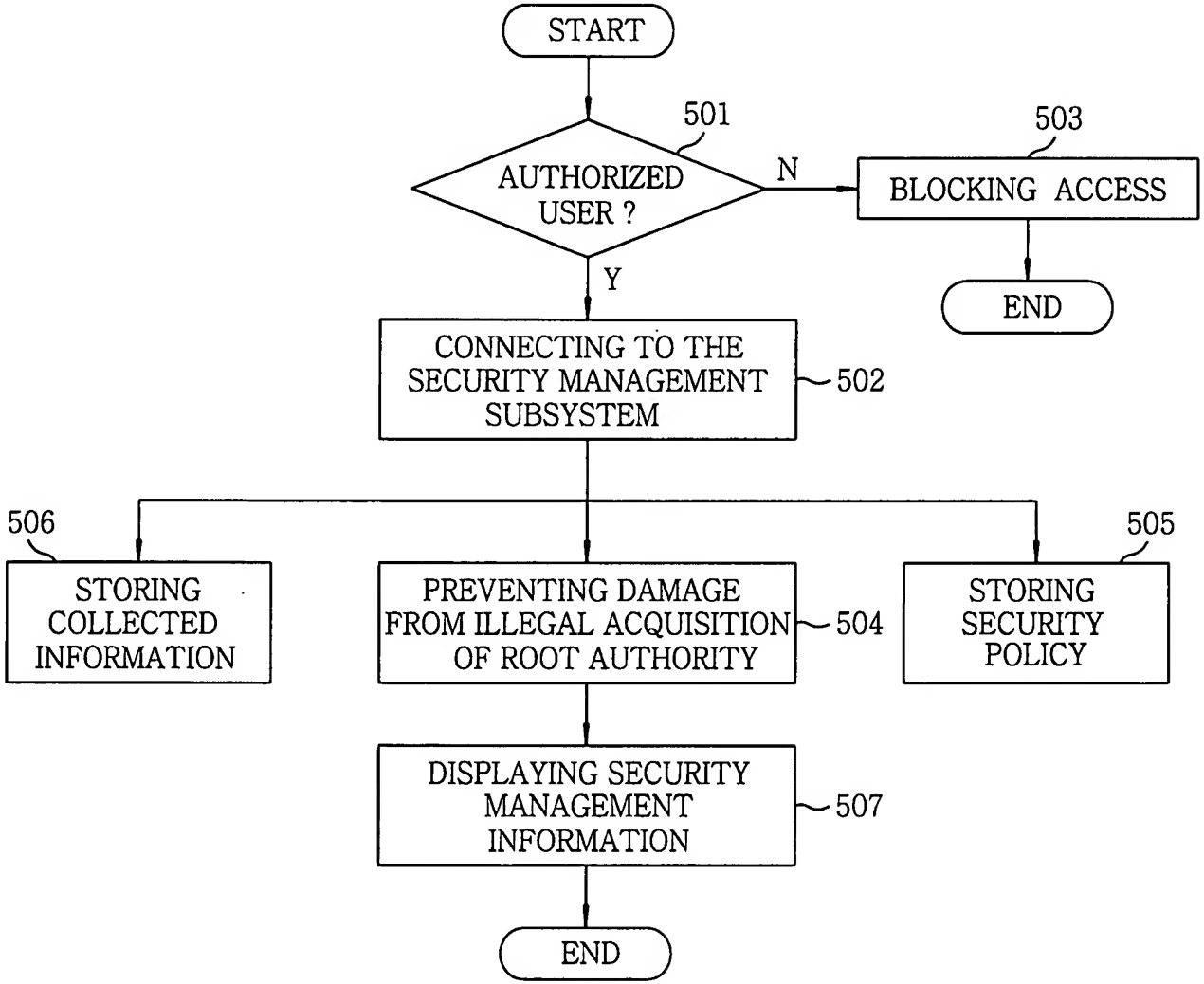

START
RECEIVING PACKET
401
402
ALLOWED PACKET?
N
403
DENYING PACKET
END
Y
404
ATTACK INTRUSION PACKET ?
N
407
TRANSFERRING PACKET
END
Y
405
DISPLAYING INTRUSION PACKET ON GUI AND DENYING PACKET
DISPLAYING INTRUSION PACKET ON MOBILE TERMINAL
406
END

FIG.5


START
501
AUTHORIZED USER ?
N
503
BLOCKING ACCESS
END
Y
CONNECTING TO THE SECURITY MANAGEMENT SUBSYSTEM
502
506
STORING COLLECTED INFORMATION
PREVENTING DAMAGE FROM ILLEGAL ACQUISITION OF ROOT AUTHORITY
504
505
STORING SECURITY POLICY
DISPLAYING SECURITY MANAGEMENT INFORMATION
507
END